

CRF Error Corrected by the STIC Systems Branch

Serial Number: 10/018,483

CRF Processing Date: 1/19/2002

Edited by: AW

Verified by: AW (STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



PCT10

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/018,483

DATE: 01/19/2002
 TIME: 14:44:31

Input Set : A:\PTO.AMC.txt
 Output Set: N:\CRF3\01182002\J018483.raw

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2 <110> APPLICANT: Merck Patent GmbH
4 <120> TITLE OF INVENTION: Acute Neuronal Calcium Binding Protein
6 <130> FILE REFERENCE: ANICBPJDDWS
C--> 8 <140> CURRENT APPLICATION NUMBER: US/10/018,483
C--> 9 <141> CURRENT FILING DATE: 2001-12-19
W--> 10 <160> NUMBER OF SEQ ID: 2
12 <170> SOFTWARE: PatentIn Ver. 2.1
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 1026
16 <212> TYPE: DNA
17 <213> ORGANISM: Homo sapiens
19 <220> FEATURE:
20 <221> NAME/KEY: CDS
21 <222> LOCATION: (1)..(1026)
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26 1 5 10 15
28 aag aat ctg aag gag agc atg gct gtt ctg gaa aag caa gac att tct 96
29 Lys Asn Leu Lys Glu Ser Met Ala Val Leu Glu Lys Gln Asp Ile Ser
30 20 25 30
32 gat aaa aaa gca gaa aag gct aca gaa gaa gtt tcc aaa aat ctg gtt 144
33 Asp Lys Lys Ala Glu Lys Ala Thr Glu Glu Val Ser Lys Asn Leu Val
34 35 40 45
36 gcc atg aaa gaa att ctg tat ggc aca aat gaa aaa gag cct cag aca 192
37 Ala Met Lys Glu Ile Leu Tyr Gly Thr Asn Glu Lys Glu Pro Gln Thr
38 50 55 60
40 gaa gca gta gct caa ctt gct caa gaa ctc tat aat agt ggg ctc ctt 240
41 Glu Ala Val Ala Gln Leu Ala Gln Glu Leu Tyr Asn Ser Gly Leu Leu
42 65 70 75 80
44 agc acc ctg gta gct gat tta cag ctc att gac ttt gag ggc aaa aaa 288
45 Ser Thr Leu Val Ala Asp Leu Gln Leu Ile Asp Phe Glu Gly Lys Lys
46 85 90 95
48 gac gtg gct caa att ttc aac aat att ctc aga aga caa att ggt acg 336
49 Asp Val Ala Gln Ile Phe Asn Asn Ile Leu Arg Arg Gln Ile Gly Thr
50 100 105 110
52 aga act cct act gtt gaa tac atc tgc acc caa cag aat att ttg ttc 384
53 Arg Thr Pro Thr Val Glu Tyr Ile Cys Thr Gln Gln Asn Ile Leu Phe
54 115 120 125
56 atg tta ttg aaa ggg tat gaa tct cca gaa ata gct cta aat tgt gga 432
57 Met Leu Leu Lys Gly Tyr Ser Pro Glu Ile Ala Leu Asn Cys Gly
58 130 135 140
61 ata atg tta aga gaa tgc atc aga cat gaa cca ctt gca aaa atc att 480

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62 Ile Met Leu Arg Glu Cys Ile Arg His Glu Pro Leu Ala Lys Ile Ile
63 145 150 155 160
65 ttg tgg tcg gaa cag ttt tat gat ttc ttc aga tat gtc gaa atg tca 528
66 Leu Trp Ser Glu Gln Phe Tyr Asp Phe Phe Arg Tyr Val Glu Met Ser
67 165 170 175
69 aca ttt gac ata gct tca gat gca ttt gcc aca ttc aag gat tta ctt 576
70 Thr Phe Asp Ile Ala Ser Asp Ala Phe Ala Thr Phe Lys Asp Leu Leu
71 180 185 190
73 aca aga cat aaa ttg ctc agt gca gaa ttt ttg gaa cag cat tat gat 624
74 Thr Arg His Lys Leu Leu Ser Ala Glu Phe Leu Glu Gln His Tyr Asp
75 195 200 205
77 aga ttt ttc agt gaa tat gag aag tta ctt cat tca gaa aat tat gtg 672
78 Arg Phe Phe Ser Glu Tyr Glu Lys Leu Leu His Ser Glu Asn Tyr Val
79 210 215 220
81 aca aaa aga cag tca ctg aag ctt ctc ggt gaa cta cta cta gat aga 720
82 Thr Lys Arg Gln Ser Leu Lys Leu Leu Gly Glu Leu Leu Leu Asp Arg
83 225 230 235 240
85 cac aac ttc aca att atg aca aaa tac atc agt aaa cct gag aac ctc 768
86 His Asn Phe Thr Ile Met Thr Lys Tyr Ile Ser Lys Pro Glu Asn Leu
87 245 250 255
89 aaa tta atg atg aac ctg ctg cga gac aaa agt cgc aac atc cag ttt 816
90 Lys Leu Met Met Asn Leu Leu Arg Asp Lys Ser Arg Asn Ile Gln Phe
91 260 265 270
93 gag gcc ttt cac gtt ttt aag gtg ttt gta gcc aat cct aac aag acg 864
94 Glu Ala Phe His Val Phe Lys Val Phe Val Ala Asn Pro Asn Lys Thr
95 275 280 285
97 cag ccc atc cta gac atc ctc ctc aag aac cag gcc aaa ctc ata gag 912
98 Gln Pro Ile Leu Asp Ile Leu Leu Lys Asn Gln Ala Lys Leu Ile Glu
99 290 295 300
101 ttc ctc agc aag ttt cag aac gac agg acg gag gat gag cag ttt aac 960
102 Phe Leu Ser Lys Phe Gln Asn Asp Arg Thr Glu Asp Glu Gln Phe Asn
103 305 310 315 320
105 gag gag aag acc tat tta gtt aaa cag atc agg gat ttg aag aga cca 1008
106 Asp Glu Lys Thr Tyr Leu Val Lys Gln Ile Arg Asp Leu Lys Arg Pro
107 325 330 335
109 gct cag caa gaa gct taa 1026
110 Ala Gln Gln Glu Ala
111 340
116 <210> SEQ ID NO: 2
117 <211> LENGTH: 341
118 <212> TYPE: PRT
119 <213> ORGANISM: Homo sapiens
121 <400> SEQUENCE: 2
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123 1 5 10 15
124 Lys Asn Leu Lys Glu Ser Met Ala Val Leu Glu Lys Gln Asp Ile Ser
125 20 25 30
126 Asp Lys Lys Ala Glu Lys Ala Thr Glu Glu Val Ser Lys Asn Leu Val
127 35 40 45

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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/018,483

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Input Set : A:\PTO.AMC.txt
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128	Ala	Met	Lys	Glu	Ile	Leu	Tyr	Gly	Thr	Asn	Glu	Lys	Glu	Pro	Gln	Thr
129		50					55					60				
130	Glu	Ala	Val	Ala	Gln	Leu	Ala	Gln	Glu	Leu	Tyr	Asn	Ser	Gly	Leu	Leu
131	65					70					75				80	
132	Ser	Thr	Leu	Val	Ala	Asp	Leu	Gln	Leu	Ile	Asp	Phe	Glu	Gly	Lys	Lys
133					85					90					95	
134	Asp	Val	Ala	Gln	Ile	Phe	Asn	Asn	Ile	Leu	Arg	Arg	Gln	Ile	Gly	Thr
135				100					105					110		
136	Arg	Thr	Pro	Thr	Val	Glu	Tyr	Ile	Cys	Thr	Gln	Gln	Asn	Ile	Leu	Phe
137			115					120					125			
138	Met	Leu	Leu	Lys	Gly	Tyr	Glu	Ser	Pro	Glu	Ile	Ala	Leu	Asn	Cys	Gly
139		130					135					140				
140	Ile	Met	Leu	Arg	Glu	Cys	Ile	Arg	His	Glu	Pro	Leu	Ala	Lys	Ile	Ile
141	145					150					155				160	
142	Leu	Trp	Ser	Glu	Gln	Phe	Tyr	Asp	Phe	Phe	Arg	Tyr	Val	Glu	Met	Ser
143				165						170					175	
144	Thr	Phe	Asp	Ile	Ala	Ser	Asp	Ala	Phe	Ala	Thr	Phe	Lys	Asp	Leu	Leu
145				180					185				190			
146	Thr	Arg	His	Lys	Leu	Leu	Ser	Ala	Glu	Phe	Leu	Glu	Gln	His	Tyr	Asp
147			195					200					205			
148	Arg	Phe	Phe	Ser	Glu	Tyr	Glu	Lys	Leu	Leu	His	Ser	Glu	Asn	Tyr	Val
149		210					215					220				
150	Thr	Lys	Arg	Gln	Ser	Leu	Lys	Leu	Leu	Gly	Glu	Leu	Leu	Leu	Asp	Arg
151	225				230						235				240	
152	His	Asn	Phe	Thr	Ile	Met	Thr	Lys	Tyr	Ile	Ser	Lys	Pro	Glu	Asn	Leu
153				245						250					255	
154	Lys	Leu	Met	Met	Asn	Leu	Leu	Arg	Asp	Lys	Ser	Arg	Asn	Ile	Gln	Phe
155			260						265					270		
156	Glu	Ala	Phe	His	Val	Phe	Lys	Val	Phe	Val	Ala	Asn	Pro	Asn	Lys	Thr
157			275					280					285			
158	Gln	Pro	Ile	Leu	Asp	Ile	Leu	Leu	Lys	Asn	Gln	Ala	Lys	Leu	Ile	Glu
159		290				295					300					
160	Phe	Leu	Ser	Lys	Phe	Gln	Asn	Asp	Arg	Thr	Glu	Asp	Glu	Gln	Phe	Asn
161	305				310						315				320	
162	Asp	Glu	Lys	Thr	Tyr	Leu	Val	Lys	Gln	Ile	Arg	Asp	Leu	Lys	Arg	Pro
163				325						330					335	
164	Ala	Gln	Gln	Glu	Ala											
165				340												

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/018,483

DATE: 01/19/2002

TIME: 14:44:32

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01182002\J018483.raw

L:8 M:270 C: Current Application Number differs, Replaced Application Number
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:10 M:283 W: Missing Blank Line separator, <160> field identifier

PCT10

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/018,483

DATE: 01/14/2002

TIME: 07:52:54

Input Set : A:\ES.txt

Output Set: N:\CRF3\01142002\J018483.raw

Does Not Comply
Corrected Diskette Needed

2 <110> APPLICANT: Merck Patent GmbH
 4 <120> TITLE OF INVENTION: Acute Neuronal Calcium Binding Protein
 6 <130> FILE REFERENCE: ANICBPJDDWS
 8 <140> CURRENT APPLICATION NUMBER: US/10/018,483
 9 <141> CURRENT FILING DATE: 2001-12-19
 10 <160> NUMBER OF SEQ ID: 2
 12 <170> SOFTWARE: PatentIn Ver. 2.1

ERRORED SEQUENCES

116 <210> SEQ ID NO: 2
 117 <211> LENGTH: 341
 118 <212> TYPE: PRT
 119 <213> ORGANISM: Homo sapiens
 121 <400> SEQUENCE: 2
 122 Met Pro Phe Pro Phe Gly Lys Ser His Lys Ser Pro Ala Asp Ile Val
 123 1 5 10 15
 124 Lys Asn Leu Lys Glu Ser Met Ala Val Leu Glu Lys Gln Asp Ile Ser
 125 20 25 30
 126 Asp Lys Lys Ala Glu Lys Ala Thr Glu Glu Val Ser Lys Asn Leu Val
 127 35 40 45
 128 Ala Met Lys Glu Ile Leu Tyr Gly Thr Asn Glu Lys Glu Pro Gln Thr
 129 50 55 60
 130 Glu Ala Val Ala Gln Leu Ala Gln Glu Leu Tyr Asn Ser Gly Leu Leu
 131 65 70 75 80
 132 Ser Thr Leu Val Ala Asp Leu Gln Leu Ile Asp Phe Glu Gly Lys Lys
 133 85 90 95
 134 Asp Val Ala Gln Ile Phe Asn Asn Ile Leu Arg Arg Gln Ile Gly Thr
 135 100 105 110
 136 Arg Thr Pro Thr Val Glu Tyr Ile Cys Thr Gln Gln Asn Ile Leu Phe
 137 115 120 125
 138 Met Leu Leu Lys Gly Tyr Glu Ser Pro Glu Ile Ala Leu Asn Cys Gly
 139 130 135 140
 140 Ile Met Leu Arg Glu Cys Ile Arg His Glu Pro Leu Ala Lys Ile Ile
 141 145 150 155 160
 142 Leu Trp Ser Glu Gln Phe Tyr Asp Phe Phe Arg Tyr Val Glu Met Ser
 143 165 170 175
 144 Thr Phe Asp Ile Ala Ser Asp Ala Phe Ala Thr Phe Lys Asp Leu Leu
 145 180 185 190
 146 Thr Arg His Lys Leu Leu Ser Ala Glu Phe Leu Glu Gln His Tyr Asp
 147 195 200 205
 148 Arg Phe Phe Ser Glu Tyr Glu Lys Leu Leu His Ser Glu Asn Tyr Val
 149 210 215 220
 150 Thr Lys Arg Gln Ser Leu Lys Leu Leu Gly Glu Leu Leu Asp Arg
 151 225 230 235 240
 152 His Asn Phe Thr Ile Met Thr Lys Tyr Ile Ser Lys Pro Glu Asn Leu

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/018,483

DATE: 01/14/2002
 TIME: 07:52:55

Input Set : A:\ES.txt
 Output Set: N:\CRF3\01142002\J018483.raw

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155                               260                               265                               270
156 Glu Ala Phe His Val Phe Lys Val Phe Val Ala Asn Pro Asn Lys Thr
157                               275                               280                               285
158 Gln Pro Ile Leu Asp Ile Leu Leu Lys Asn Gln Ala Lys Leu Ile Glu
159                               290                               295                               300
160 Phe Leu Ser Lys Phe Gln Asn Asp Arg Thr Glu Asp Glu Gln Phe Asn
161 305                               310                               315                               320
162 Asp Glu Lys Thr Tyr Leu Val Lys Gln Ile Arg Asp Leu Lys Arg Pro
163                               325                               330                               335
164 Ala Gln Gln Glu Ala
165                               340
E--> 169 - 3 -

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/018,483

DATE: 01/14/2002

TIME: 07:52:56

Input Set : A:\ES.txt

Output Set: N:\CRF3\01142002\J018483.raw

L:8 M:270 C: Current Application Number differs, Replaced Application Number
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:10 M:283 W: Missing Blank Line separator, <160> field identifier
L:169 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2